

SEQUENCE LISTING

<110> Allen, Keith D.

<120> TRANSGENIC MICE CONTAINING THYROID
STIMULATING HORMONE RECEPTOR (TSH-R) GENE DISRUPTIONS

<130> R-666

<150> US 60/243,895

<151> 2000-10-26

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<170> FastSEQ for Windows Version 4.0

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 35 40 45
 Ser Leu Pro Pro Ser Thr Gln Thr Leu Lys Leu Ile Glu Thr His Leu
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 Lys Thr Ile Pro Ser Leu Ala Phe Ser Ser Leu Pro Asn Ile Ser Arg
 65 70 75 80
 Ile Tyr Leu Ser Ile Asp Ala Thr Leu Gln Arg Leu Glu Pro His Ser
 85 90 95
 Phe Tyr Asn Leu Ser Lys Met Thr His Ile Glu Ile Arg Asn Thr Arg
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 Ser Leu Thr Tyr Ile Asp Pro Asp Ala Leu Thr Glu Leu Pro Leu Leu
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 Lys Phe Leu Gly Ile Phe Asn Thr Gly Leu Arg Ile Phe Pro Asp Leu
 130 135 140
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 165 170 175
 Asn Glu Thr Leu Thr Leu Lys Leu Tyr Asn Asn Gly Phe Thr Ser Val
 180 185 190
 Gln Gly His Ala Phe Asn Gly Thr Lys Leu Asp Ala Val Tyr Leu Asn
 195 200 205

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 Tyr Ser Gly Pro Thr Leu Leu Asp Val Ser Ser Thr Ser Val Thr Ala
 225 230 235 240
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 245 250 255
 Thr Trp Thr Leu Lys Lys Leu Pro Leu Ser Leu Ser Phe Leu His Leu
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 Thr Arg Ala Asp Leu Ser Tyr Pro Ser His Cys Cys Ala Phe Lys Asn
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 305 310 315 320
 Pro Ile Tyr Gln Glu Tyr Glu Glu Asp Pro Gly Asp Asn Ser Val Gly
 325 330 335
 Tyr Lys Gln Asn Ser Lys Phe Gln Glu Ser Pro Ser Asn Ser His Tyr
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10045624 1006001

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 Pro Arg Phe Leu Met Cys Asn Leu Ala Phe Ala Asp Phe Cys Met Gly
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 465 470 475 480
 Tyr Tyr Asn His Ala Ile Asp Trp Gln Thr Gly Pro Gly Cys Asn Thr
 485 490 495
 Ala Gly Phe Phe Thr Val Phe Ala Ser Glu Leu Ser Val Tyr Thr Leu
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 515 520 525
 Leu Asp Arg Lys Ile Arg Leu Arg His Ala Tyr Thr Ile Met Ala Gly
 530 535 540
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 Ser Phe Tyr Ala Leu Ser Ala Leu Met Asn Lys Pro Leu Ile Thr Val
 645 650 655
 Thr Asn Ser Lys Ile Leu Leu Val Leu Phe Tyr Pro Leu Asn Ser Cys
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 Val Phe Ile Leu Leu Ser Lys Phe Gly Ile Cys Lys Arg Gln Ala Gln
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 Ile Gln Lys Ile Pro Gln Asp Thr Arg Gln Ser Leu Pro Asn Met Gln
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